

ECOLOGY & ENVIRONMENT, INC

REGION VI

MEMORANDUM

Reviewed by GAW-SC
date 5/5/85

TO Keith Bradley RPO
EPA Region 6, Dallas, TX

FROM Hilol K. Ray, FIT-Environmental Engineer Hilol K. Ray
E & E, Inc., Dallas, TX

THRU ^{for} K. H. Malone Jr. RPM ^{per}
E & E, Inc., Dallas, TX

SUPERFUND FILE

DATE May 15, 1985

JUL 13 1992

SUBJ Follow-up Reconnaissance Inspection at Kingfisher County Feed Yards,
Inc., in Okarche, OK (OK0817) OKD062272588 REORGANIZED
TDD # R6-8502-36

As per above TDD, the FIT was tasked to (1) locate areas where pesticide drums were dumped; and (2) prepare a sampling plan, if the drum dump sites were identified/discovered.

On April 4, 1985, FIT members H. Ray and B. Park conducted a reconnaissance inspection at the Kingfisher County Feed Yards, Inc. site and met with Messrs Randy Hamilton, Yard Manager and Art Meyer, Manager of Farming.

The Site Inspection Report (prepared earlier by FIT on 4/18/84) indicated that empty pesticide drums were dumped at this site in 1979 and at two other locations (one located 2 miles east, and the other 8 miles to the west, from this site). These three sites are owned by the same family members. The report also mentioned the illegal/improper disposal of 2000 to 5000 gallons of toxaphene from the cattle dipper to an unknown destination. Mr. Matt Siler, the waste hauler (now deceased), kept no records regarding the pesticide disposal area.

During the follow-up reconnaissance inspection on April 4, 1985, Mr. Art Meyer directed the FIT on a tour around this facility (OK0817) and the two other alleged dumping locations (OK5126 and OK5134). The subject facility (OK0817) consisted of a cattle dipping unit, 65 livestock pens, a grain silo, seven (7) water wells and two collection ponds for rain water which are used for irrigation/farming. The two other locations each contained one disposal pit.

In spite of claims to the contrary in the 4/18/84 Site Inspection Report, Mr. Art Meyer stated that to the best of his knowledge, empty pesticide containers (5 gallons capacity each) had never been disposed of at this feed lot facility (OK0817). A visual inspection of the facility revealed no evidence of container burial. The presence of metallic structures (i.e. steel fenced livestock pens, iron gates, etc.) virtually eliminates the possibility of using geophysical techniques and metal detectors to confirm or refute the existence of buried containers.



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According to Mr. Meyer, the empty pesticide containers were always rinsed thoroughly prior to off-site disposal at the two other locations mentioned above. The waste water from the rinsing operations was contained in the cattle dipper (approx. 50' Long x 3' Wide x 12' to 14' Deep, made of concrete on three sides with open top) on-site. Later, when toxaphene was banned for use as a pesticide, the waste water from the cattle dipper and any remaining unused toxaphene was hauled off-site by Mr. Matt Jler (deceased) to an unknown destination. During this inspection, rain water was noted inside the cattle dipper which has a high freeboard. No evidence of overflow to the adjoining areas was observed (See photos 1 and 2). Thus, the potential for surface water contamination is highly unlikely because of the high concrete dike above ground with 3' to 4' freeboard. The possibility of wastes leaching into the ground from the cattle dipper is eliminated due to the thickness (1 1/2 feet) of concrete lining.

There are seven (7) water wells on-site (See attached sketch and well information) whose depths vary between 75 and 125 feet. All these wells were dug in 1967-68 and the well water is used for cattle and irrigation only. There are no water wells at the other two locations.

Sampling of any of these 7 wells at the feed lot facility to determine the possibility of toxaphene contamination, is not recommended because, the existence of buried pesticide containers (on an area of 160 acres) could not be verified. Also, these containers were said to have been thoroughly rinsed at the cattle dipper prior to their burial. In the event container burial did take place at this site, the depth of the wells and the low permeabilities of the overlying soils and clay would prevent any potential contaminant from reaching the well screens located at 75 to 125 feet depths.

During the current inspection, Mr. Meyer further stated that ever since toxaphene was banned, Ivomec (Ivermectin-1% Injection for the cattle) has been administered by a registered veterinarian as a substitute for toxaphene dipping. Ivomec is manufactured by M.S.D. AGVET, Division of Merck & Co., Rahway, New Jersey 07065, U.S. Patent # 4,199,569.

The disposal pits at the two other locations barically contained construction/demolition debris, automobile tires, beverage cans, a few empty toxaphene cans (water rinsed and cleaned at "OK817" facility) and Tangolene-HD motor oil containers. No evidence of dead vegetation or any threat to health and the environment were observed during those inspections. Also, the FIF was unable to obtain any additional information regarding the disposal of toxaphene because the waste hauler is now deceased. Separate reports have been submitted for these two locations (reported under TDD #'s 8502-11 and 8502-12).

The ground water in this area is primarily used for cattle and irrigation. The drinking water is supplied by the City of Piedmont, OK from deep wells, which are located 10 miles (approx.) SE from the site.

In view of the above, the FIF recommends that no further actions be taken at this site.

RESIDENTIAL WELL SAMPLING INFORMATION

1. Name, address and phone number of resident (include county and zip code)

King Fisher County Feed Yards, Inc. (On-Site water Well #1)

P.O. Box 441, Okarche, OK 73762

Telephone: (405) 263-7244

County: King Fisher

2. Date well was dug 1967-68

3. Depth of well 100'

4. Depth to static water 20'-25'

5. Is the well cased? Yes x No

If so, to what depth? All the way to 100'

What type of casing is used? PVC

6. Is well screened? Yes x No (Stainless Steel Strainer)

7. How much is the well pumped? (Only for residential use or for use in
watering livestock?) Cattle/Livestock, Farming

8. Any other pertinent information? None

RESIDENTIAL WELL SAMPLING INFORMATION

1. Name, address and phone number of resident (include county and zip code)

King Fisher County Feed Yards, Inc. (On-Site Water Well #2)

P.O. Box 441, Okarche, OK 73762

Telephone: (405) 263-7244

County: King Fisher

2. Date well was dug 1967-68

3. Depth of well 85'

4. Depth to static water 20'-25'

5. Is the well cased? Yes X No

If so, to what depth? All the way to 85'

What type of casing is used? pvc

6. Is well screened? Yes X No (Stainless Steel Strainer)

7. How much is the well pumped? (Only for residential use or for use in watering livestock?) Cattle/Livestock, Farming

8. Any other pertinent information? None

RESIDENTIAL WELL SAMPLING INFORMATION

1. Name, address and phone number of resident (include county and zip code)

Kim Fisher County Feed Yards, Inc. (On-Site Water Well #3)

P.O. Box 441, Okarche, OK 73762

Telephone: (405) 263-7244

County: King Fisher

2. Date well was dug 1967-68

3. Depth of well 100'

4. Depth to static water 20'-25'

5. Is the well cased? Yes x No

If so, to what depth? All the way to 100'

What type of casing is used? PVC

6. Is well screened? Yes x No (Stainless Steel Strainer)

7. How much is the well pumped? (Only for residential use or for use in watering livestock?) Cattle/Livestock, Farming

8. Any other pertinent information? None

RESIDENTIAL WELL SAMPLING INFORMATION

1. Name, address and phone number of resident (include county and zip code)

King Fisher County Feed Yards, Inc. (On-Site Water Well #4)

P.O. Box 441, Okarche, OK 73762

Telephone: (405) 263-7244

County: King Fisher

2. Date well was dug 1967-68

3. Depth of well 125'

4. Depth to static water 20'-25'

5. Is the well cased? Yes x No

If so, to what depth? All the way to 125'

What type of casing is used? PVC

6. Is well screened? Yes x No (Stainless Steel Strainer)

7. How much is the well pumped? (Only for residential use or for use in watering livestock?) Cattle/Livestock, Farming

8. Any other pertinent information? None

SIDENTIAL WELL SAMPLING INFORMATION

1. Name, address and phone number of resident (include county and zip code)

King Fisher County Feed Yards, Inc. (On-Site Water Well #5)

P.O. Box 441, Okarche, OK 73762

Telephone: (405) 263-7244

County: King Fisher

2. Date well was dug 1967-68

3. Depth of well 100'

4. Depth to static water 20'-25'

5. Is the well cased? Yes x No

If so, to what depth? All the way to 100'

What type of casing is used? pyc

6. Is well screened? Yes x No (Stainless Steel Strainer)

7. How much is the well pumped? (Only for residential use or for use in
watering livestock?) Cattle/Livestock, Farming

8. Any other pertinent information? None

RESIDENTIAL WELL SAMPLING INFORMATION

1. Name, address and phone number of resident (include county and zip code)

King Fisher County Feed Yards, Inc. (On-Site Water Well #6)

P.O. Box 441, Okarche, OK 73762

Telephone: (405) 243-7244

County: King Fisher

2. Date well was dug 1967-68

3. Depth of well 85'

4. Depth to static water 20'-25'

5. Is the well cased? Yes x No

If so, to what depth? All the way to 85'

What type of casing is used? PVC

6. Is well screened? Yes x No (Stainless Steel Strainer)

7. How much is the well pumped? (Only for residential use or for use in watering livestock?) Cattle/Livestock, Farming

8. Any other pertinent information? None

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RESIDENTIAL WELL SAMPLING INFORMATION

1. Name, address and phone number of resident (include county and zip code)

King Fisher County Feed Yards, Inc. (On-Site Water Well #7)

P.O. Box 441, Okarche, OK 73762

Telephone: (405) 263-7244

County: King Fisher

2. Date well was dug 1967-68

3. Depth of well 80'

4. Depth to static water 20'-25'

5. Is the well cased? Yes X No

If so, to what depth? All the way to 80'

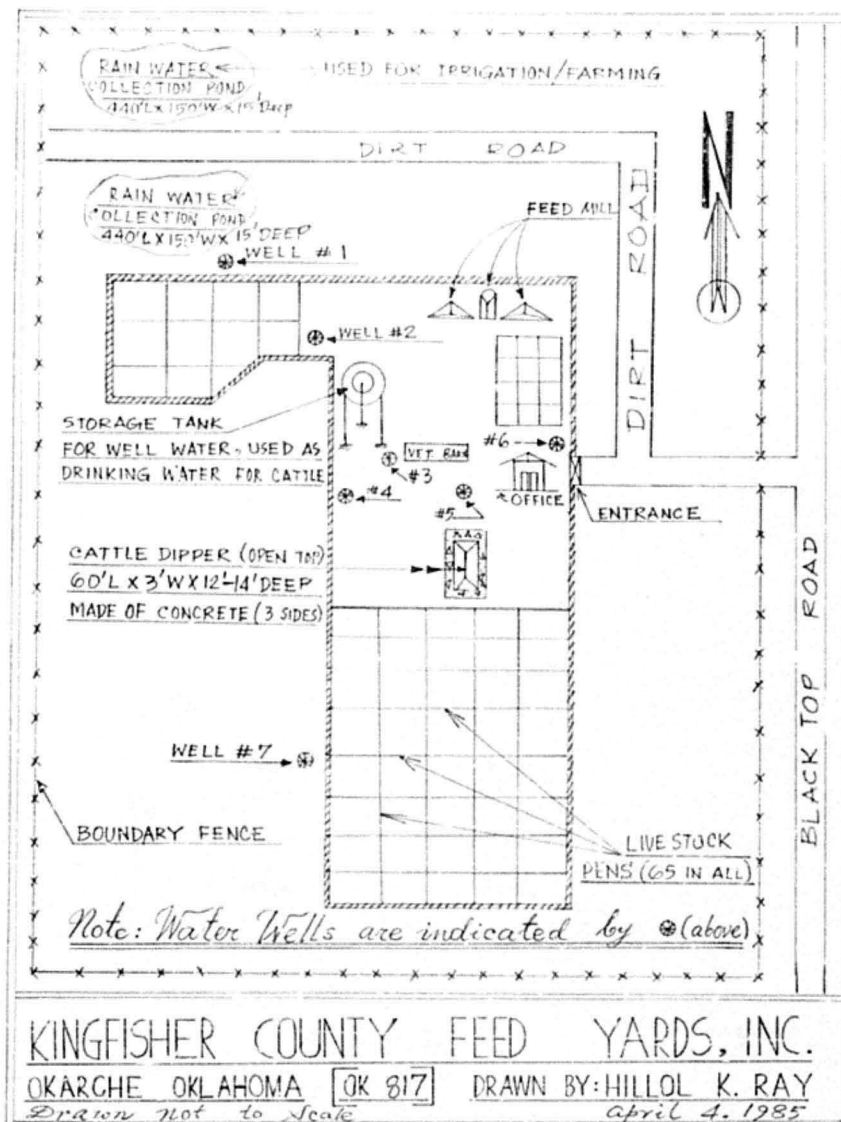
What type of casing is used? PVC

6. Is well screened? Yes X No (Stainless Steel Strainer)

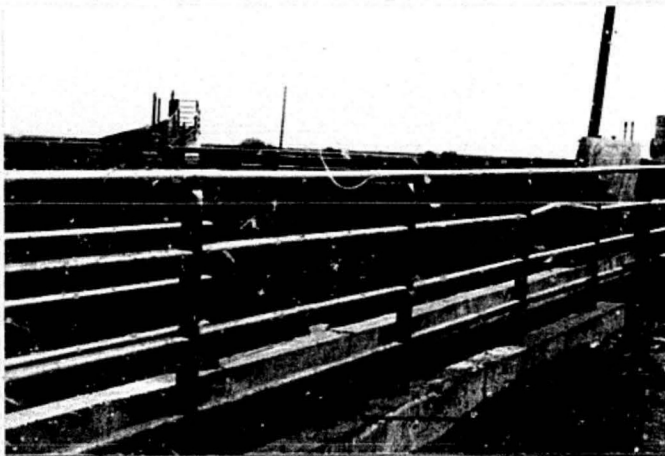
7. How much is the well pumped? (Only for residential use or for use in watering livestock?) Cattle/Livestock, Farming

8. Any other pertinent information? None

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#1

Photographer / Witness

BILL PARKS / HILLLOL RAY

Date / Time / Direction

4-4-85 / 9:30AM / N

Comments:

THE CATTLE DIPPER

(CONCRETE LINED AT
BOTTOM; WALLS ALSO MADE
OF CONCRETE) IS NOT

USED ANYMORE. INSTEAD,

IVOMEC* (IVERMECTIN - 1%)

INJECTION FOR CATTLE) SHOTS ARE RENDERED
BY A VETERINARIAN

* U.S. PATENT # 4,199,569

KING HER COUNTRY FEED YARDS
P.O. BOX 491
OKARCHE, OKLAHOMA 73762

Page 1 of 2

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#2

Photographer / Witness

BILL PARKS / HILLLOL RAY

Date / Time / Direction

4-4-85 / 9:35AM / NE

Comments:

SEE PHOTO #1 (Pg. 1 of 2)

FOR COMMENTS

KING JHER COUNTY FEED YARDS
P.O. BOX 441
OKMACHE, OKLAHOMA 73762

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ecology and environment, inc.
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DALLAS, TEXAS 75201

SITE # OK 0817
TDD# R6-8502-36

recycled paper

PHOTO NEGATIVES
OF

KINGFISHER COUNTY FEED YARDS, INC.
P.O. BOX 441
OKARCHE, OKLAHOMA 73762

APRIL 4, 1985

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